

WR-35
Rev (9-11)

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 9/4/2012
API #: 47-033-05550

Farm name: I.L. Morris & Mike Ross, Inc. Operator Well No.: Richman Unit 1H

LOCATION: Elevation: 1169' Quadrangle: Wolf Summit

District: Coal County: Harrison
Latitude: 3594' Feet South of 39 Deg. 20 Min. 00 Sec.
Longitude 10,929' Feet West of 80 Deg. 25 Min. 00 Sec.

Company: Antero Resources Appalachian Corp

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
1625 17th Street Denver, CO 80202	20" 94#	40'	40'	38 Cu. Ft. Class A
Agent: CT Corporation System	13-3/8" 68#	474'	474'	658 Cu. Ft. Class A
Inspector: Tristan Jenkins	9-5/8" 36#	2511'	2511'	1440 Cu. Ft. Class A
Date Permit Issued: 05/24/2011	4" 11.6#	7003'	7003'	303 Cu. Ft. Class H
Date Well Work Commenced: 6/4/2011	5-1/2" 20#	13,758'	13,758'	3382 Cu. Ft. Class H
Date Well Work Completed: 4/17/2012				
Verbal Plugging: N/A	2-3/8" 4.7#	7170'		
Date Permission granted on: N/A				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig <input type="checkbox"/>				
Total Vertical Depth (ft): 7,102' TVD (Deepest point drilled)				
Total Measured Depth (ft): 13,758' MD, 7,045' TVD (BHL)				
Fresh Water Depth (ft.): 980'	*Due to air drilling, Antero was unable to identify accurate salt water and coal depths for reporting.			
Salt Water Depth (ft.): *None available				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): *None available				
Void(s) encountered (N/Y) Depth(s) N, N/A				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Marcellus Pay zone depth (ft) 7,056' TVD (Top)

Gas: Initial open flow _____ MCF/d Oil: Initial open flow N/A Bbl/d

Final open flow 672 MCF/d Final open flow N/A Bbl/d

Time of open flow between initial and final tests N/A Hours

Static rock Pressure 3300 psig (surface pressure) after _____ Hours

Second producing formation _____ Pay zone depth (ft) _____

Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d

Final open flow _____ MCF/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests _____ Hours

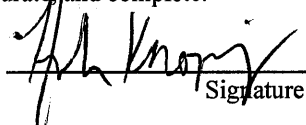
Static rock Pressure _____ psig (surface pressure) after _____ Hours

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I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.


Signature

9/4/12
Date

Were core samples taken? Yes _____ No

Were cuttings caught during drilling? Yes No _____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Yes- Cement Bond Log/Gamma Ray/CCL Log

This is a subsequent well. Antero only runs wireline logs on the first well on a multi-pad (Reynolds Unit 1H API# 47-033-05451). Please reference wireline logs submitted with Form WR-35 for Reynolds Unit 1H.

NOTE: IN THE AREA BELOW PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

Perforations: 7282' - 13,640' MD

Frac'd w/ 5,000 gals 15% HCL Acid, 86,865 bbls Slick Water carrying 29,900# 100 mesh, 1,833,041# 40/70 and 86,000# 20/40 sand.

Plug Back Details Including Plug Type and Depth(s): N/A

<u>Formations Encountered:</u>	<u>Top Depth</u>	<u>Bottom Depth</u>
<u>Surface:</u>		
**Tully	6,852'	6,977'
Hamilton	6,978'	7,055'
Marcellus	7,056'	7,102 TVD

**Antero only runs wireline logs on the first well on a multi-well pad (Reynolds Unit 1H). Since this is a subsequent well, our logging started at the top of the Tully. Therefore, we are unable to accurately identify formation tops from surface. Please reference the additional formation tops submitted on Form WR-35 for the Reynolds Unit 1H (API# 47-033-05451).

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